EASUREMENT BOOK

	Dimensions			Contents	Reference to last Measurement
	Number 3	Length 4	Breadth 5	Depth 6	7	8
			IT- 22575- Vat 90300- LWC 22575- CBF 2258- Roy 65774- 203482- Cly 2034.024/-		

I 12 4 Final Bill

SBR no-259/15-16 R: 27-2-16

M. A. R. 57 (Rule 116)
Measurement Book

No. B 260240

Serial No. .....

From BR- 250/9-3-16 To .....

Name of Work .....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions				Contents 7	Reference to last Measurement 8
		Number 3	Length 4	Breadth 5	Depth 6		
	Name of work:- Road Development & Concrete road works at Kuvempu Nagar 2nd Stage Main Road in ward No 11 Work Code No:- 011-15-000039 Estimated Cost:- Rs 19,93,6 Work order No:- EE/BCP/BBMP/E-PMT/56/15-16 Dt 29/4/15 Name of Agency:- N. Keerthi #66, Anandappa Building Yelahanka. B-64						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	1) Earth work excavation by manual means in Hard Soil involving an average horizontal throw upto 2mm and an average lift upto 0.5m, excavated surface leveled & sides neatly dressed, the disposal earth to be leveled neatly after breaking of clodes etc. complete as per Specifications						
	Cross Road 1						
		1	30.00	$\frac{5.10+4.70}{2}$	0.15	22.05	
		1	30.00	$\frac{4.70+4.70}{2}$	0.15	21.15	

Serial No. .....
Name of Work .....
Name of Contractor of nature of Agenc
Date of commencement of work .....

Date	Full description, etc, of work
1	2
	Cross Road 2

SUREMENT BOOK

Dimensions				Contents	Reference to last Measurement
Number 3	Length 4	Breadth 5	Depth 6	7	8

ron by manual means in Hard Soil
ge horizontal throw upto 2mm
ift up to 0.5m, excavated surface
tly dressed, the disposal earth,
ly after breaking of clods etc.
Specifications

1 × 30.00 × 5.10 + 4.70 / 2 × 0.15 = 22.05

1 × 30.00 × 4.70 + 4.70 / 2 × 0.15 = 22.15

M. A. R. 57 (Rule 116)
Measurement Book

No. B

260241

Serial No. .....

Name of Work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
		1 × 30.00	× 4.70 + 3.60 / 2		× 0.15	= 18.68	
		1 × 24.80	× 3.60 + 3.20 / 2		× 0.15	= 12.60	
	Cross Road 2	1 × 30.00	× 5.20 + 4.78 / 2		× 0.15	= 22.28	
		1 × 30.00	× 4.70 + 4.20 / 2		× 0.15	= 20.03	
		1 × 13.50	× 4.20 + 5.20 / 2		× 0.15	= 9.38	

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8

1 × 7.60 × 3.40 + 3.30 / 2 × 0.15 = 3.82

1 × 18.50 × 10.00 + 9.00 / 2 × 0.15 = 26.36

1 × 21.00 × 6.90 + 6.20 / 2 × 0.15 = 21.42

1 × 8.00 × 1.85 + 3.20 / 2 × 0.15 = 2.97

Total Qty 180.77 cum

Limited to 177.00 cum

SH 105.58 Rs. 18688.00

CFC
Mohan
9/11/15

Assistant Executive Engineer
Vidyaranyapura Sub Division
BBMP, Bangalore - 97

Serial No. .....
Name of Work .....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work
1	2
	2) providing & laying M:x 1:4:8 with 40 down size graded 0.85 cum of size Concrete laid in well compacted in of all Materials

UREMENT BOOK

Dimensions				Contents	Reference to last Measurement
mber 3	Length 4	Breadth 5	Depth 6	7	8
4	7.60	3.40+3.30/2	0.15	3.82	
1	18.50	10.00+9.40/2	0.15	26.36	
1	21.00	6.90+6.70/2	0.15	21.42	
1	8.00	1.85+3.20/2	0.15	2.97	
	Total qty			180.77 m3	
	Limited to			177.00 m3	
14	105.58	Lump		Rs.1868800	

M. A. R. 57 (Rule 116)
Measurement Book

No. B 260242

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions				Contents 7	Reference to last Measurement 8
		Number 3	Length 4	Breadth 5	Depth 6		
	2) providing & laying in position plain cement concrete of Mix 1:4:8 with ope cement @ 180 kgs with 40mm & down size graded granite metal coarse aggregate @ 0.85 cum & fine aggregate @ 0.57 cum machine mixed Concrete laid in layers not exceeding 15cms thick well compacted in Foundation & plinth, including cost of all Materials labour, Hiring Machinery Curing						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	ete. Complete as per Specification.						
	cross Road		$1 \times 30.00 \times \frac{5.10+4.70}{2} \times 0.15 = 22.05$				
			$1 \times 30.00 \times \frac{4.70+4.70}{2} \times 0.15 = 21.15$				
			$1 \times 30.00 \times \frac{4.70+3.60}{2} \times 0.15 = 18.68$				
			$1 \times 24.30 \times \frac{3.60+3.20}{2} \times 0.15 = 12.65$				
	cross Road.		$1 \times 30.00 \times \frac{5.20+4.70}{2} \times 0.15 = 22.28$				

Serial No. .....
Name of Work .....
Name of Contractor of nature of Agenc
Date of commencement of work .....

Date	Full description, etc, of work
1	2

SUREMENT BOOK

Dimensions				Contents	Reference to last Measurement
Number 3	Length 4	Breadth 5	Depth 6	7	8

M. A. R. 57 (Rule 116)
Measurement Book

No. B 260243.

Serial No. .....

Name of Work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions				Contents 7	Reference to last Measurement 8
		Number 3	Length 4	Breadth 5	Depth 6		

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
			~~1 × 8.00 × 1.85 × 3.10 × 0.15 = 2.97~~				
			2				
						Total Qty	180.77 M3
						Limited to	177.00 M3
						Rs 4834.92	Rs, 855781.00
	3) providing & Fixing 20mm thick Compressible Fibre board in expansion Joint Complete as per Technical Specifications.						

16/11/15

Assistant Executive Engineer
Vidyaranyapura Sub Division
BBMP, Bangalore - 97

Serial No. .....
Name of Work .....
Name of Contractor of nature of Age
Date of commencement of work .....

Date	Full description, etc, of wor
1	2

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
			Total Qty			118.90 Cum	
			Limited to			115.00 Cum	
			137.89			@ 15857.00	

Assistant Executive E...
Vidyaranyapura Sub Division
BBMP, Bangalore - 97

4) providing & laying cement concrete using 20mm & down size granite Jelly of ready Mixed Concrete (RMC) for RCC works laid in 15cm thick layers & well compacted coarse aggregate

Serial No. .....
Name of Work .....
Name of Contractor of nature of Ag
Date of commencement of work ...

Date	Full description, etc, of w
1	2
	30.64 Cum of ... Mechine Mixed ... of all Mate... Complete as ... Cross Road

SUREMENT BOOK

Dimensions				Contents	Reference to last Measurement
Number 3	Length 4	Breadth 5	Depth 6	7	8
	Total Qty			118.00 Cum	
	limited to			115.00 Cum	
				@ 15857.00	
	@ 137.89				

vision
.97

@ cement Concrete using 20mm
aunite Jelly of ready Mixed
for R.C.C Works laid in 15 cm
Well Compacted Coarse aggregate

M. A. R. 57 (Rule 116)
Measurement Book

No. B 260245

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date 1	Full description, etc. of work 2	Dimensions				Contents 7	Reference to last Measurement 8
		Number 3	Length 4	Breadth 5	Depth 6		
	30.64 Cum of Bme aggregate 20 mm 3 Nos Conforming to IS 9103-1999 reaffirmed-2008 Machine Mixed in Foundation, plinth & Sills, including cost of all Materials, labour, tlom of Machinery, carriage Complete as per Specifications						
	Cross Road		1 × 30.00 × 5.10 + 4.70 / 2 × 0.125 = 18.38				

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Cross Road	1	30.00	4.70+4.20/2	@ 0.125	= 17.63	
		1	30.00	4.70+3.60/2	@ 0.125	= 15.56	
		1	24.80	3.60+3.20/2	@ 0.125	= 10.54	
		1	30.00	5.20+4.70/2	@ 0.125	= 18.56	
		1	30.00	4.70+4.20/2	@ 0.125	= 16.69	
		1	13.30	4.20+5.20/2	@ 0.125	= 7.81	

Serial No. .....
Name of Work .....
Name of Contractor of nature of
Date of commencement of work

Date	Full description, etc, o
1	2

Assistant Execu
Vidyaranyapura
BBMP, Ban

SUREMENT BOOK

Dimensions				Contents	Reference to last Measurement
Number 3	Length 4	Breadth 5	Depth 6	7	8
1	30.00	4.70+4.20/2	0.125	= 17.63	
1	30.00	4.70+3.60/2	0.125	= 15.56	
1	24.80	3.60+3.20/2	0.125	= 10.54	
1	30.00	5.20+4.70/2	0.125	= 18.56	
1	30.00	4.70+4.20/2	0.125	= 16.69	
1	13.30	4.20+5.20/2	0.125	7.81	

M. A. R. 57 (Rule 116)
Measurement Book

No. B

260246

Serial No. .....

Name of Work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions				Contents 7	Reference to last Measurement 8
		Number 3	Length 4	Breadth 5	Depth 6		
	4 Fe Mekwan 24/2/15	1	7.60	3.40+3.30/2	0.125	= 3.18	
		1	18.50	10.00+9.00/2	0.125	= 21.97	
		1	21.00	6.90+6.70/2	0.125	= 17.85	
				Total Qty		148.17 Cu.m	
				Limited to		147.50 Cu.m	

Assistant Executive Engineer
Vidyaranyapura Sub Division
BBMP, Bangalore - 97

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	cfpre Assistant Executive Engineer Vidyaranyapura Sub Division BBMP, Bangalore - 97						
	5) Vacuum De-watering with Vacuum pump & Suction Mat & Compaction with Skin Heater clubbed with Floating disc including cost of generator Hiring Machinery Screed vibrating power Heater blade & disc etc Complete as per Specification						

Serial No. .....
Name of Work .....
Name of Contractor of nature of Agen
Date of commencement of work .....

Date	Full description, etc, of work
1	2
	Cross Road

SUREMENT BOOK

Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measuremen 8

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Cross Road)						
		1	30.00	5.20+4.70/2		= 148.50	
		1	30.00	4.70+4.20/2		= 133.50	
		1	13.30	4.20+5.20/2		= 62.01	
		1	7.60	3.40+3.30/2		= 25.48 25.46	
		1	18.80	10.00−9.00/2		= 176.75	
		1	21.00	6.90+6.70/2		= 142.80	

Serial No. .....
Name of Work .....
Name of Contractor of nature of A
Date of commencement of work ..

Date	Full description, etc, of w
1	2
	C4 Fe Mohy
	Assistant Executiv Vidyaranyapura Su BBMP, Bangal
	6) providing & l 7 design mi

ASUREMENT BOOK

Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8

1 × 30.00 × 15.20 × 4.70 / 2 = 148.50

1 × 30.00 × 4.70 × 4.20 / 2 = 133.60

1 × 13.30 × 4.20 × 5.20 / 2 = 62.07

1 × 7.60 × 3.00 × 3.30 / 2 = 25.48 25.46

1 × 18.60 × 10.00 × 9.00 / 2 = 176.85

1 × 21.00 × 6.90 × 6.70 / 2 = 142.80

M. A. R. 57 (Rule 116)
Measurement Book

No. B

Serial No. .....

Name of Work ..... From..... To..... 260248

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	C4 Fig Mahesh 22/12/15 Assistant Executive Engineer Vidyaranyapura Sub Division BBMP, Bangalore - 97	Total qty			1188.34	1185.34 cu.m	
		deduct to				1180.00 cu.m	
		M 96.96				M 114413.00	
	providing & laying in position reinforced cement concrete 7 design mix M20 with ope. cement @ 320 kgs. with						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	20 mm & down Size graded granite Metal, Concrete aggregate @ 0.878 Cum & Fine aggregate @ 0.453 Cum with Superplasticizer @ 1% by Cement conforming to IS 9103-1999 reaffirmed 2008 Machine Mixed, Compacted laid in layers not exceeding 15 Cm thick, vibrated for all works in Foundation plinth & Cills ground floor level for roof slabs, Staircase, lintels, retaining wall (any thickness) including attached pilasters columns, piers, abutments, pillars, posts, struts buttresses, string or facing Courses, parapets						

Serial No. .....
Name of Work .....
Name of Contractor of nature of Ag
Date of commencement of work .....

Date	Full description, etc, of wo
1	2
	Coping, bed b fillets etc in & Masonry, Co existing Drain Co Slab

Dimensions			Contents	Reference to last Measurement
Number 3	Length 4	Breadth 5	Depth 6	7	8
se graded granite Metal, Concrete					
cum of Fine aggregates (1 0.459 Cum					
of Joints Constructing to IS 9103-					
2008 Machine Mixed, Concreted laid					
exceeding 15Cms thick, vibrated for					
dation plinth & Cills ground floor					
slabs, Flats Cafe, lintels, retaining walls					
ks) including attached pilasters					
buttresses, pillars, posts, stumps					
g or facing Courses, parapets					

M. A. R. 57 (Rule 116)
Measurement Book

No. B

260249

Serial No. .....

Name of Work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date 1	Full description, etc. of work 2	Dimensions				Contents 7	Reference to last Measurement 8
		Number 3	Length 4	Breadth 5	Depth 6		
	Coping, bed blocks, anchor blocks plain Window Cills fillets etc including Cost of all Materials, Labour. Hire & Machinery, Carriage etc Complete as per Specifications existing Drain Covers Slab	1	35.00	0.90	0.40	3.15 m³	
			Limited to			2.97 m³	

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
			J/f 6050.12			Rs. 17969.20	
	7) providing mild steel reinforcement for RCC work including straightening, cutting, bending Hooking, placing in position lapping & / or welding wherever required tying with binding wire & anchoring to the adjoining Members wherever necessary Complete as per design Cost of Materials, labour, tools & Machinery etc.						

Serial No. .....
Name of Work .....
Name of Contractor of nature of Agency
Date of commencement of work .....

Date	Full description, etc, of work
1	2
	complete as pre measurem

...UREMENT BOOK

Number 3	Dimensions: Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	Jly 6050.12			Rs. 17969-20	

steel reinforcement for RCC
straightening, cutting, bending
g in position lapping & / or
r required type with binding
to the adjoining Members when
Complete as per design Cost
bour, tools & Machinery etc.

M. A. R. 57 (Rule 116)
Measurement Book

No. B

260250

Serial No. .....

Name of Work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	complete as per Specifications.						
	pre measurement ~~by~~ vide pages no 260290						
						Total Qty	1.86 Qtl
						Limited to	1.78 Qtl.
	Jly 7955.86					Ly	14177.00
							~~14~~ 61.43

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	8) providing & Removing Centering, Shuttering, Striking propping etc & Removal of form work for flat Surface Such as Suspended floors, roofs, landing balconies & like thickness above 200mm including Cost of all Materials labour etc. Complete & per Specification Qty.						
	premeasurement Qty vide page No. 260290					96.00 m²	
	Total Qty						
	Limited Qty					96.00 m²	

Serial No. .....
Name of Work .....
Name of Contractor of nature of Agen
Date of commencement of work .....

Date	Full description, etc, of work
1	2
	9) Lead for Dry Cement rate loading & Unl

ASUREMENT BOOK

Dimensions				Contents	Reference to last Measurement
Number 3	Length 4	Breadth 5	Depth 6	7	8

moving Centering, Shuttering, Striking
emoval of Form Work for Flat
Suspended Slabs, roofs, landing
Slickness above 200mm including
ndly Labour etc. Complete as per

ct Qty vide page No. 260290
Total Qty 96.00 m²
Limited Qty 96.00 m²

M. A. R. 57 (Rule 116)
Measurement Book

No. B

260251

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
			Qty 383.52			Qty. 36818-00	
	9) Lead for Disposal of Debris shall be payble at Carriage rate by Mechanical Means including loading & Unloading From 0 to 2.0 kms etc. Qty vide Item No 1						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
			Total Qty			177.00 Mt	
	CFC Memo dtd 22/12		78.53			Rs. 12838=00	
	Assistant Executive Engineer Vidyaranyapura Sub Division BBMP, Bangalore - 97		Total			Rs. 1974162=00	
	1) Certified that above work done satisfactorily & there is 2) No Materials issued from departmentally					1974614.00	

Serial No. .....
Name of Work .....
Name of Contractor of nature of Agency ....
Date of commencement of work .....

Date	Full description, etc, of work
1	2
	Shri Kere Compound Kuvempunagara Main Road

REMENT BOOK

Dimensions			Contents	Reference to last Measurement
Length 4	Breadth 5	Depth 6	7	8
			177.00 Sq.m	
Total Qty			Sq. 12838-00	
78.53			Sq. 197462-00	
Total				
			197614.00	
above work done				
sued from departmentally				

M. A. R. 57 (Rule 116)
Measurement Book

No. B

260252

Serial No. ..... From..... To.....

Name of Work .....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	Air Force complex Kuvempunagara Main Road						
							116.80m
							7.60m 18.50m 21.00m
			73.30m				
							8.00m
							walls over tank
							INDEX: CC Road; Existing drain cover in slab
							N

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8

Audited & Admitted for Rs 19436/4.00

and Rs 156707-00

Asst. Engineer
Accts Sundt.
Byatarayanapura Dn Byatarayanapura Dn
BBMP BBMP

IT - 19476.00
VAT - 77905.00
LWF - 1948.00
CE - 1948.00
LR - 35601.00
Total - 156707.00

EBR No 0-260/15
D: 27-2-1

Serial No. .....
Name of Work .....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work
1	2
	Name of work :- De Naidu layout in
	work code :- 011-1
	work order No :-
	Name of Agency :- M
	# 6
	Ha